

Title (en)

A selector apparatus of an automatic transmission of vehicle

Title (de)

Schalthebel für ein automatisches Fahrzeuggetriebe

Title (fr)

Levier de commande pour transmission automatique d'un véhicule

Publication

EP 1580461 A2 20050928 (EN)

Application

EP 05006345 A 20050323

Priority

JP 2004089723 A 20040325

Abstract (en)

A selector apparatus of an automatic transmission of vehicle which can suppress backlash of teeth of the gear arrangement of the lever bracket and the select-link to improve good operability of the selector lever by urging the select-link along its pivotal axis so that the teeth of the select-link are urged on to the teeth of the lever bracket. According to the present invention, there is provided selector apparatus of an automatic transmission of vehicle comprising: brackets 1a and 1b to be secured on a body of vehicle; a selector lever 2 pivotally supported on the brackets 1a and 1b; a lever bracket 3 arranged at a base end of the selector lever 2 and formed with sector gear teeth 3a; and a selector-link 4 for actuating a transmission via a wire W interposed between the selector-link 4 and the transmission formed with sector gear teeth 4a mating with the sector gear teeth 3a of the lever bracket 3 and rotated by the pivotal motion of the selector lever 2 characterized in that: tooth surfaces of the teeth 3a and 4a of the lever bracket 3 and the select-link 4 are tapered, and there is provided an urging means 7, 8 and 9 for urging the select-link 4 along its pivotal axis so that the teeth 4a of the select-link 4 are urged on to the teeth 3a of the lever bracket 3.

IPC 1-7

F16H 59/10

IPC 8 full level

B60K 20/02 (2006.01); **F16H 61/26** (2006.01); **B60K 17/04** (2006.01); **F16H 59/10** (2006.01); **F16H 19/00** (2006.01); **F16H 57/12** (2006.01); **F16H 61/24** (2006.01); **F16H 61/36** (2006.01)

CPC (source: EP US)

F16H 57/12 (2013.01 - EP US); **F16H 59/10** (2013.01 - EP US); **F16H 19/001** (2013.01 - EP US); **F16H 61/24** (2013.01 - EP US); **F16H 61/36** (2013.01 - EP US); **F16H 2057/127** (2013.01 - EP US); **Y10T 74/2003** (2015.01 - EP US)

Citation (applicant)

JP H07315070 A 19951205 - FORD MOTOR CO

Designated contracting state (EPC)

DE GB

Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

EP 1580461 A2 20050928; **EP 1580461 A3 20071219**; JP 2005271789 A 20051006; US 2005217403 A1 20051006

DOCDB simple family (application)

EP 05006345 A 20050323; JP 2004089723 A 20040325; US 9086005 A 20050325